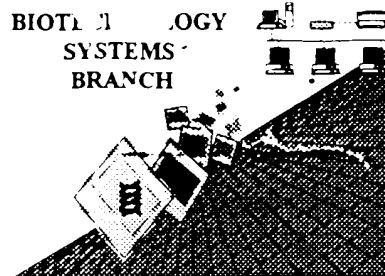


Driver

RAW SEQUENCE LISTING ERROR REPORT



RECEIVED

TECH CENTER 1600/2

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/202,549

Source: 1636

Date Processed by STIC: 10/4/2000

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin30help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST 25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/202,549

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 Wrapped Aminos The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 Misaligned Amino Acid The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs
Numbering between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed
- 6 Variable Length Sequence(s) contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and
indicate in the (ix) feature section that some may be missing
- 7 PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
sequence(s) . Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223>
sections for Artificial or Unknown sequences.
- 8 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence
(OLD RULES)
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS: (Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:X.
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s)
- 9 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence
(NEW RULES)
<210> sequence id number
<400> sequence id number
000
- 10 J Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing
(NEW RULES) Use of <220> to <223> is MANDATORY if n's or Xaa's are present
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents
- 11 Use of <213>Organism Sequence(s) are missing this mandatory field or its response
(NEW RULES)
- 12 Use of <220>Feature Sequence(s) are missing the <220>Feature and associated headings
(NEW RULES) Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.623 of new Rule)
- 13 PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing)
Instead, please use "File Manager" or any other means to copy file to floppy disk

Does Not Compl.
Corrected: 11/25/2014

```

1 111-111: ORGANISM: Artificial Sequence
2 111-112: LENGTH: 111 bp
3 111-113: MOL. WEIGHT: 14118
4 111-114: OTHER INFORMATION: NUCLEIC ACID MOLECULE FOR ENHANCING GENE EXPRESSION
5 111-115: OTHER REFERENCE: P00094-11
6 111-116: CURRENT APPLICATION NUMBER: 19, 111, 149
7 111-117: CURRENT FILING DATE: 1999-11-10
8 111-118: PRIOR APPLICATION NUMBER: PCT/US97/10161
9 111-119: PRIOR FILING DATE: 1997-01-10
10 111-120: PRIOR APPLICATION NUMBER: 19, 111, 148
11 111-121: PRIOR FILING DATE: 1999-06-10
12 111-122: NUMBER OF SEQ ID NOS: 14
13 111-123: OTHER INFORMATION: Version: 2.1
14 111-124: SEQ ID NO: 1
15 111-125: LENGTH: 12
16 111-126: TYPE: DNA
17 111-127: ORGANISM: Artificial Sequence
18 111-128: FEATURE:
19 111-129: OTHER INFORMATION: Description of Artificial Sequence: cDNA
20 111-130: SEQUENCE: 1
W--> 33 nnaatcaagg ca 12
21 111-131: SEQ ID NO: 2
22 111-132: LENGTH: 12
23 111-133: TYPE: DNA
24 111-134: ORGANISM: Artificial Sequence
25 111-135: FEATURE:
26 111-136: OTHER INFORMATION: Description of Artificial Sequence: cDNA
27 111-137: SEQUENCE: 2
W > 45 taaatcaagg ca 12
28 111-138: SEQ ID NO: 3
29 111-139: LENGTH: 12
30 111-140: TYPE: DNA
31 111-141: ORGANISM: Artificial Sequence
32 111-142: FEATURE:
33 111-143: OTHER INFORMATION: Description of Artificial Sequence: cDNA
34 111-144: SEQUENCE: 3
W--> 57 nnnnncaagg ca 12
35 111-145: SEQ ID NO: 4
36 111-146: LENGTH: 12
37 111-147: TYPE: DNA
38 111-148: ORGANISM: Artificial Sequence
39 111-149: FEATURE:
40 111-150: OTHER INFORMATION: Description of Artificial Sequence: cDNA
41 111-151: SEQUENCE: 4
W--> 69 aaaaaaaa tcaaggcata tgcc 24
42 111-152: SEQ ID NO: 5
43 111-153: LENGTH: 23

```

all item 10 on
Even summary
Sheet

RAW SEQUENCE LISTING
 PATENT: AB111-411-N US, 69, 202, 549
 Input Seq: A:\Fcccseq.txt
 Output Seq: N:\CRF3\10042000\1202549.raw

```

11-211- TYPE: tNA
12-211- ORGANISM: Artificial Sequence
13-211- FEATURE
14-211- OTHER INFORMATION: Description of Artificial Sequence: tNA
15-211- SEQUENCE: 7
16-211- GAGGAGAG atactatgcct atcc
17-211- SEQ ID NO: 7
18-211- LENGTH: 14
19-211- TYPE: tNA
20-211- ORGANISM: Artificial Sequence
21-211- FEATURE
22-211- OTHER INFORMATION: Description of Artificial Sequence: tNA
23-211- SEQUENCE: 8
24-211- GAGGAGAG atactatgcct atcc
25-211- SEQ ID NO: 8
26-211- LENGTH: 14
27-211- TYPE: tNA
28-211- ORGANISM: Artificial Sequence
29-211- FEATURE
30-211- OTHER INFORMATION: Description of Artificial Sequence: tNA
31-211- SEQUENCE: 9
32-211- GAGGAGAG atactatgcct atcc
33-211- SEQ ID NO: 9
34-211- LENGTH: 14
35-211- TYPE: tNA
36-211- ORGANISM: Artificial Sequence
37-211- FEATURE
38-211- OTHER INFORMATION: Description of Artificial Sequence: tNA
39-211- SEQUENCE: 10
40-211- GAGGAGAG atactatgcct atcc
41-211- SEQ ID NO: 10
42-211- LENGTH: 14
43-211- TYPE: tNA
44-211- ORGANISM: Artificial Sequence
45-211- FEATURE
46-211- OTHER INFORMATION: Description of Artificial Sequence: tNA
47-211- SEQUENCE: 11
48-211- GAGGAGAG atactatgcct atcc
49-211- SEQ ID NO: 11
50-211- LENGTH: 14
51-211- TYPE: tNA

```

1000

File Name: A:\Fccseq.txt

N:\CREF\10042000\1202549.raw

[illegible]

RAW SEQUENCE LISTING

Patent 6,111,111 N US 09/202,549

Input Seq: A:\Fcccseq.txt
Output Seq: N:\CREF3\10042000\1202549.raw

[illegible]

VERIFICATION SUMMARY

US:09/202,349

[illegible]

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File Name: A:\Fccseq.txt

N:\CRF3\10042000\I202549.1aw

[illegible]